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CENTRAL INTELLIGENCE AGENCY

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INFORMATION REPORT

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SECURITY INFORMATION

50X1

COUNTRY	East Germany	REPORT	
SUBJECT	Personnel and Physical Description of the Chemistry Insitute of Rostock University	DATE DISTR.	c 6 November 1953
		NO. OF PAGES	16
DATE OF INFO.		REQUIREMENT	50X1
PLACE ACQUIRED		REFERENCES	

50X1-HUM

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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STATE	#x	ARMY	#x	NAVY	#x	AIR	#x	FBI		AEC				OSI Ev	x

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(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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REPORT

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COUNTRY : East Germany

DATE DISTR. 24 SEPT 53

SUBJECT : Personnel at Chemistry Institute, Rostock University

NO. OF PAGES 15

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

DATE ACQUIRED

SUPPLEMENT TO REPORT NO. 50X1-HUM

DATE OF I

THIS IS UNEVALUATED INFORMATION

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CHEMISTRY INSTITUTE

1. The Chemistry Institute of Rostock University is located at 9 Buchbinder Strasse, in Rostock (telephone number F 7061, extension 25) /see page 7/. It occupies one half of a three-story stucco-covered brick building, which had formerly been a women's clinic, but which had been converted to a Chemistry Institute after World War I. The remaining half of the building is occupied at the present time by the Institute for Catalyst Research (Institut fuer Katalyse Forschung) which is not a part of the University, but is subordinate to the State Secretary for Chemistry (Staatssekretariat fuer Chemie). Until recently it had been subordinate to the Staatssekretariat fuer Steine und Erde, but that organization had been absorbed by the State Secretary for Chemistry (Staatssekretariat fuer Chemie).

Equipment

2. The special apparatus available in the Chemistry Institute includes the following:

Quartz spectrograph Zeiss Type Qu-24; Zeiss Arc-producing apparatus, Type FF- (?); 1938 X-ray instruments; three polarimeters with sodium vapor lamps; four Zeiss lumipan miscroscopes; five centrifuges (6-14,000 RPM); Leybold/Koeln

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polarograph; three Abbe refractometers; five RFT pH meters (standard type); three triodometers TG-4, (RFT); electric oven for 3000° C heat; two photometers; three Lange Type-4 colorimeters; electrophoresis apparatus 100 milliamps, 1-2000 V, DC; two Hoeppler visiosimeters; Zeiss interferometer.

Personnel of the Chemistry Institute

3. The director is Prof. Dr. Guenther RIENAECKER, who supervises three sections: (a) the Inorganic Section, chief of which is Dr. RIENAECKER (b) the Organic Section, whose acting chief is Dr. Guenther SCHNUCKEL and, (c) the Pharmaceutical Section, whose chief is Dr. Harald BRAEUNIGER.

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4. [redacted] the Institute for Physical Chemistry of the University [redacted] The loss of SCHULZE as director caused considerable disruption in the affairs of the Institute for Physical Chemistry, and some of the facilities of the Institute have now been subordinated to Dr. RIENAECKER although it retains its Institute title. It occupies a building adjacent to that housing the Chemistry Institute /see Page 7 /.

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5. Dr. RIENAECKER is also director of the Institute for Catalysis Research. [redacted] He is conducting investigation of solid catalysts 50X1-HUM e.g., nickel, aluminum oxide and iron oxide, and their use in hydrogenation. [redacted]

RIENAECKER's duties for the University include the post of Assistant Dean for Research (Prorektor fuer Forschungsangelegenheiten). He is a specialist (Fachrichter) of Chemistry in the Mathematics and Natural Sciences (Mathematisch-Naturwissenschaftliche) Faculty and Professor of Inorganic Chemistry. His teaching duties include a two-hour-per-week course in advanced inorganic chemistry (for second year students) and a one-hour seminar for this course, a one-day laboratory and seminar in inorganic chemistry (for first and second year students), a one-hour course in physical methods in inorganic chemistry (for either second or third year students), a course in technology of inorganic materials (for third year students), several seminars for advanced students, and a four-hour-per-week course in general chemistry, with a two-hour laboratory for this course (for students in the Agriculture Faculty.) In addition he conducts a musical group for two hours one evening per week.

6. The inorganic section of the Chemistry Institute is directed by Dr. RIENAECKER. He has the following assistants:

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Dr. Heinrich BREMER is political chief of the entire Institute. His interests are in the field of hydrogenation of dyes using finely divided silver as a catalyst. He conducts lectures on trans-uranium elements, and conducts a course in Inorganic Chemistry for medical students.

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Dr. Heinz GROSS-RUEYCKEN is "Assistent." He was called from Goettingen about one and one-half years ago. He is interested in "silanes" and compounds which are silicon analogs of carbon. this work, is primarily synthetic in nature, e. g., preparation of silicon halides or polysilicates /see page 8, for location of his laboratory/

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Dipl. -Chem. HOSCHEK is "Assistent." He i interested in the field of lithium and aluminum hydrides as reducing agents /see page 8, for location of his laborator-7

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Dipl. -Chem. Hans-Georg JERSCHKEWITSCH is "Assistent." His duties consi primarily of administration, i. e., organization of students' course work and activities. He obtains materials and equipment for the lectures and laboratories. His own work is concerned with the production of pure metals, e. g., iron, by treating the metal-chloride with an alkali in vapor form in a nitrogen atmosphere or under vacuum. He received 25,000 Mark from the East Zone Government to support his work on iron production last year. He has a large laboratory, a small office and one female assistant /see page 12, for location of his laboratory space/. He has no teaching duties.

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Dipl. - Chem. Heinz PLAGEMANN is "Assistent." He and his wife Barbara play a minor role in the section as assistants to Dr. GROSSE-RUEYCKEN. /see pages 12 & 8 for location of their laboratories/. Their laboratories on

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Dr. Brigitte SARRY. She is Senior Assistant (Oberassistent) of her section and is very energetic. her work concerns a study of hydrides. Her laboratory is located in the building housing the Institute of Physical Chemistry /see page 8 /, where she has the services of one female laboratory assistant. Her teaching duties include a course in analytical chemistry for students of biology, economics and pedagogy, i. e., non-chemistry majors; in addition she conducts a ten-hour laboratory course in general chemistry.

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Dr. Siegried UNGER is "Assistent." 50X1-HUM he is investigating contact catalysts. He has laboratory space in YERSCHKOWITZ's laboratory (see page 12 for location of additional laboratory space). He has no teaching duties.

Dipl. -Chem. Guenther VORMUM is "Assistent." 50X1-HUM Although he has a laboratory teaching position, 50X1-HUM most of his work is in research for the Institute for Catalyst Research.

7. The organic section of the Chemistry Institute does not have a chief. The acting chief is Senior Assistant (Oberassistent) 50X1-HUM Dr. Guenther SCHNUCKEL, His interests are in the field of enzymes, hemoglobin, and insulin. His teaching duties include four hours of lectures and a one-hour seminar in experimental organic chemistry (for first year students), one hour of lecture and one hour of seminar in advanced organic chemistry, one day of organic laboratory, four hours of lecture in chemistry for medical students and special work for advanced students by arrangement. He has an advanced student and several female assistants. His department has one "Assistemt," Dr. Klaus SCHREIBER. All other members of the staff 50X1-HUM have departed. The Institute has no professor of organic Chemistry. (see pages 11 and 12).

8. Dr. Klaus SCHREIBER, "Assistent" to Dr. SCHNUCKEL, was associated with the Agricultural Research Station (Landwirtschaftliche Versuchsstation) in Luesewitz until one and one-half years ago when he was called to the chemistry institute. He has no teaching duties, but assists in the organic laboratory courses. His interests are in synthesis of glucosides of tropin-character, and separation of these products by paper chromatography. He conducts no biological studies with the products synthesized (see 50X1-HUM page 12, for location of his laboratory).

9. The pharmaceutical section of the chemistry institute has as its chief, Senior Assistant (Oberassistent) Dr. Harald BRAEUNIGER. His special field is analysis with paper chromatography, to which he has subjected sulfonamides and glucosides. He has studied methods of purification of barbiturates by counter-current solvent extraction, i. e., employing laboratory glass flasks, not centrifugation (see page 11 for his laboratory). His teaching duties include four hours of lecture and one hour of seminar in pharmaceutical chemistry and one day of pharmaceutical chemistry laboratory. He has the following assistants: 50X1-HUM

Apotheker Guenther BORGWARD is "Assistent." His interests are in the separation of opium alkaloids by paper chromatography and by chemical extraction and isolation. He obtains his raw material from an East Zone Institute, called Institute for Pharmaceutic Herbs and Culture (Institute fuer Arzneimittelpflanzung und Kulturpflanzung). This institute is under the 50X1-HUM

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direction of Prof. HEGER and is located in the Harz area. BORGWARDT's teaching duties include one hour of lecture per week on the general requirements of the German Pharmacopaeia (DAB VI) and a laboratory course in pharmaceutical chemistry /see page 11 for his laboratory/.

Apotheker SPANGENBERG is "Assistent." [redacted] 50X1-HUM

He is interested in the chemical separation of drug mixtures particularly sulfonamides /see page 11 for his laboratory/. 50X1-HUM

10. Dipl.-Chem. PETERS, formerly of Humboldt University, where he was an assistant of Prof. HAUFFE, [redacted] His interests are in X-ray examination of crystals, possibly zinc or magnesium hydrides. [redacted] 50X1-HUM /see page 14/. 50X1-HUM

11. An "Assistent" in the Physical Chemistry Institute is Dipl.-Chem. Juergen von HAAREN, [redacted] His interests are in the physical chemistry of liquid surfaces /see page 14/. 50X1-HUM

12. Dipl.-Chem. Hans DREYER is also an "Assistent" in this Institute.

[redacted]

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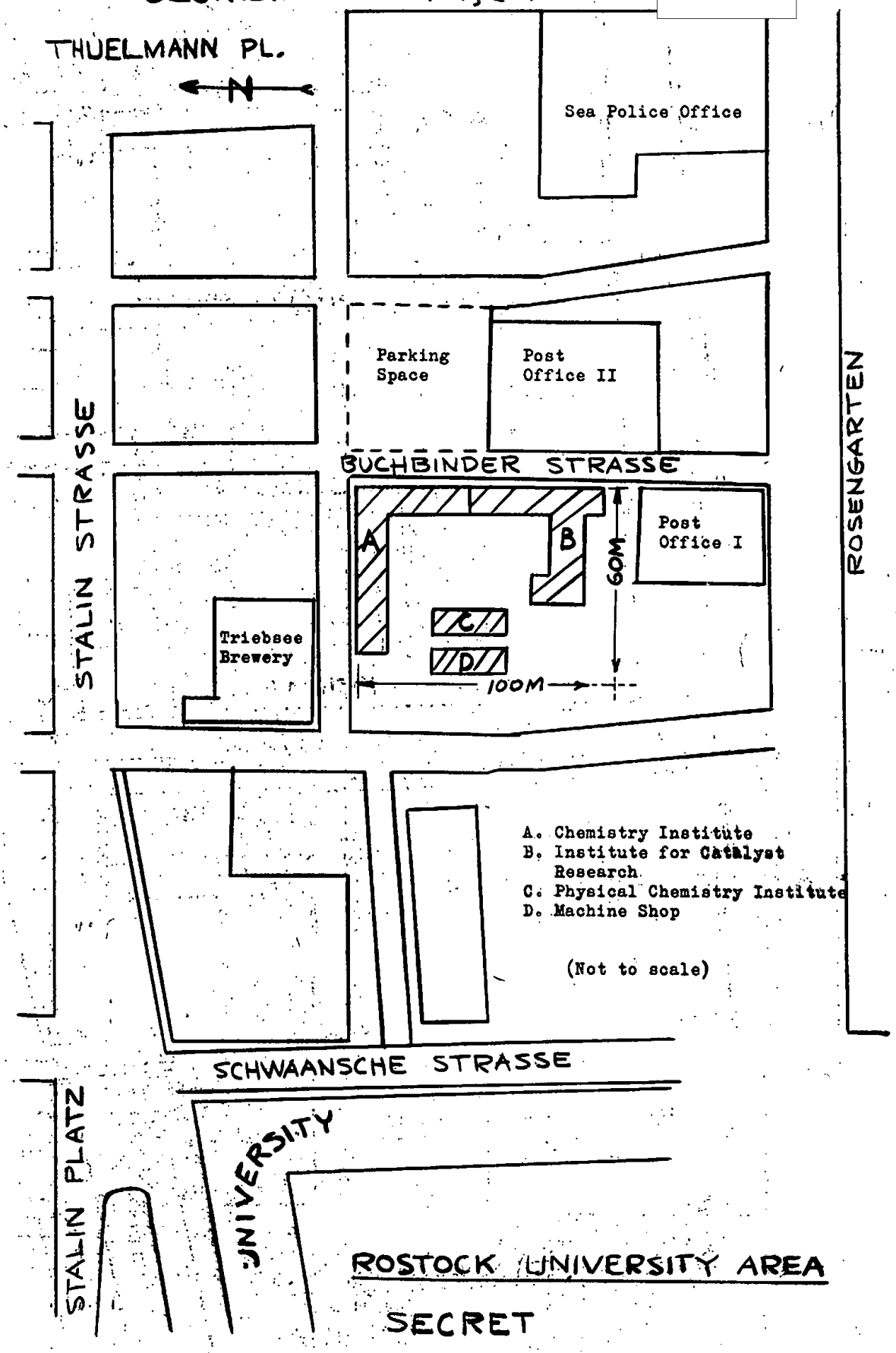

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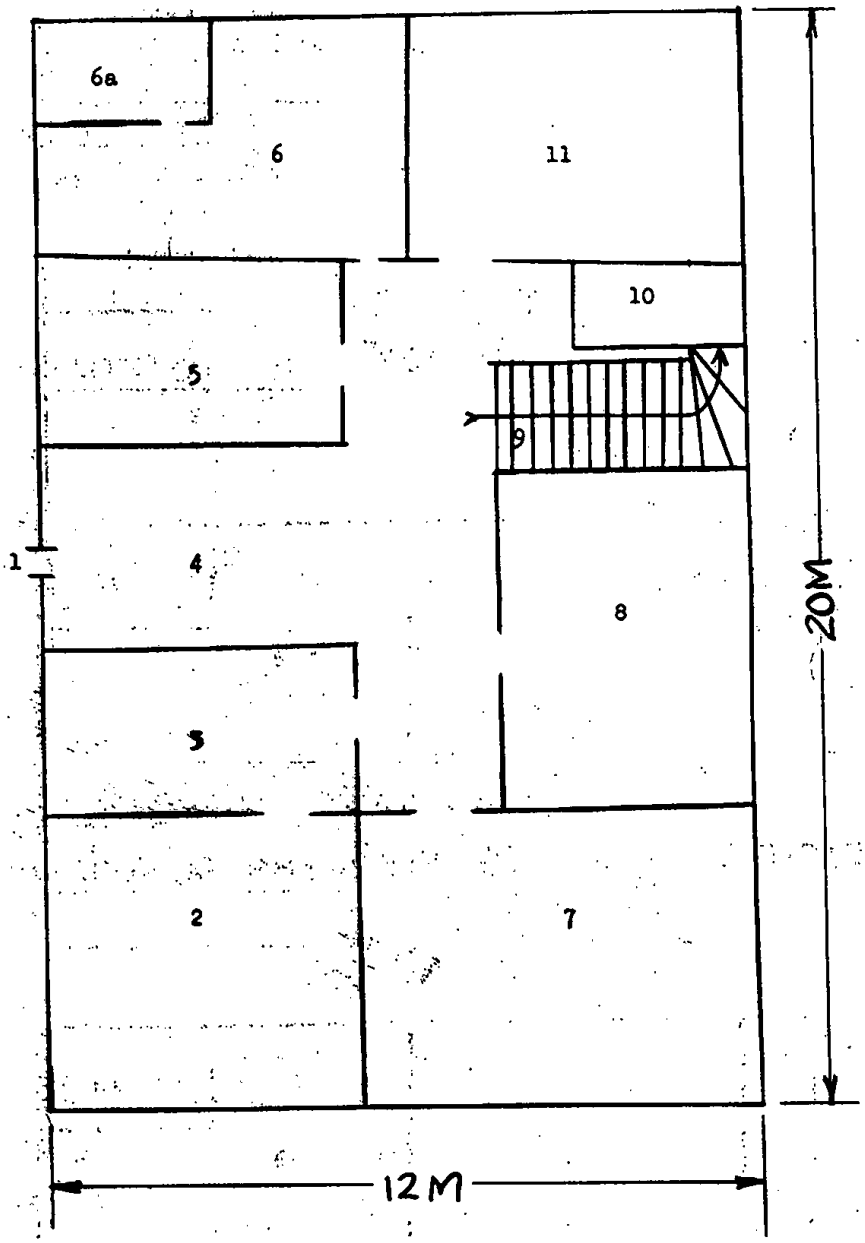

(Not to scale)

GROUND FLOOR OF PHYSICAL CHEMISTRY INSTITUTE BLDG.

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LEGEND

GROUND FLOOR OF PHYSICAL CHEMISTRY INSTITUTE BUILDING

1. Entrance from court in rear of Chemistry Institute.
2. Laboratory of Dr. HOSCHEK.
3. Laboratory utilized by Dr. UNGER.
4. Entrance hall of building.
5. Instrument room for polarograph and spectrograph.
6. Laboratory for advanced inorganic preparations.

6a. Dark room.

7. Laboratory shared by Frau PLAGEMANN and Dr. GROSSE-RUEYCKEN.
8. Laboratory shared by advanced woman student and Dr. GROSSE-RUEYCKEN.
9. Stairway to second floor.
10. Lavatory.
11. Laboratory used by Dr. SARRY.

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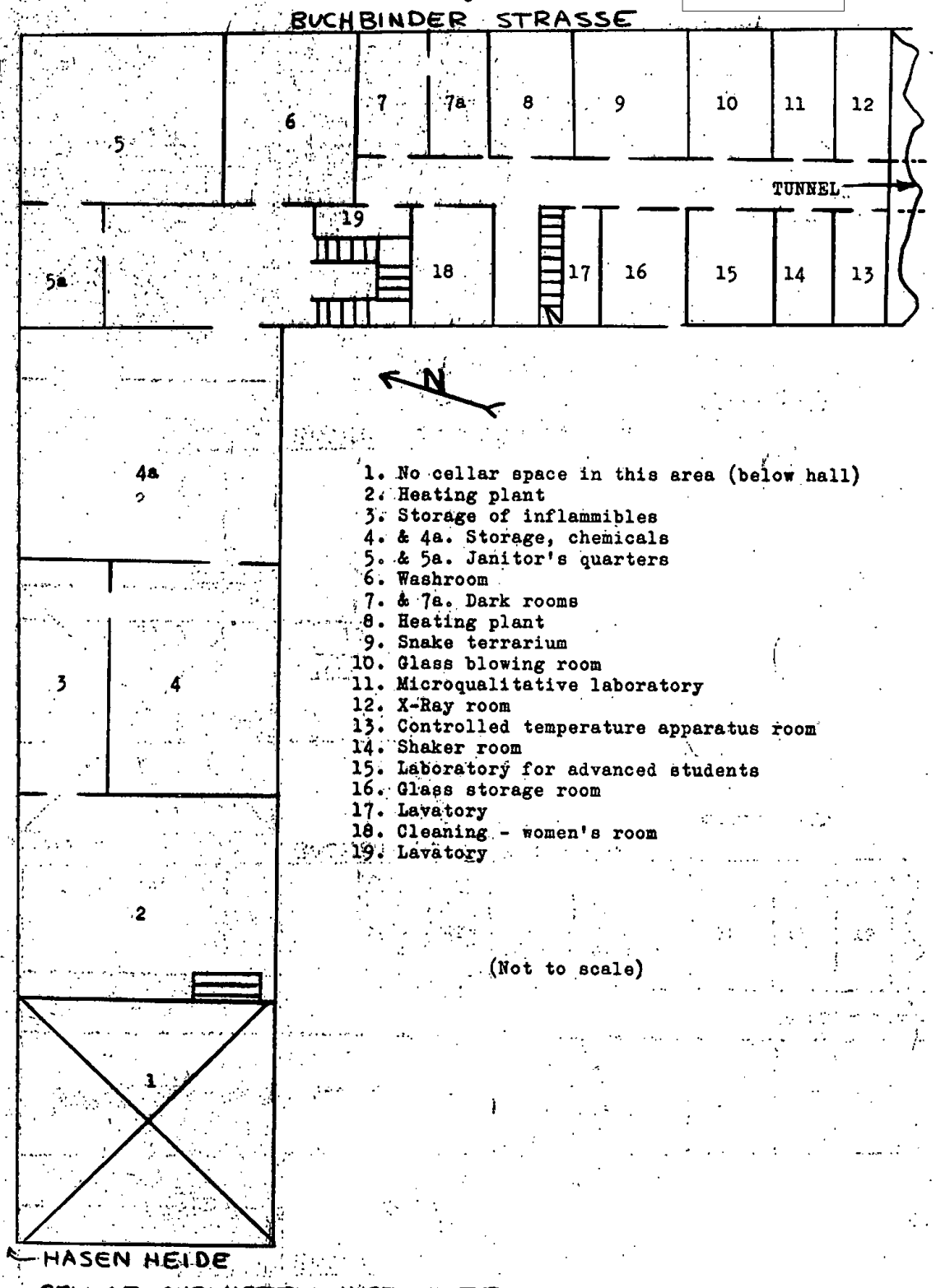

1. No cellar space in this area (below hall)
2. Heating plant
3. Storage of inflammibles
4. & 4a. Storage, chemicals
5. & 5a. Janitor's quarters
6. Washroom
7. & 7a. Dark rooms
8. Heating plant
9. Snake terrarium
10. Glass blowing room
11. Microqualitative laboratory
12. X-Ray room
13. Controlled temperature apparatus room
14. Shaker room
15. Laboratory for advanced students
16. Glass storage room
17. Lavatory
18. Cleaning - women's room
19. Lavatory

(Not to scale)

CELLAR CHEMISTRY INSTITUTE - ROSTOCK UNIVERSITY

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Page 11

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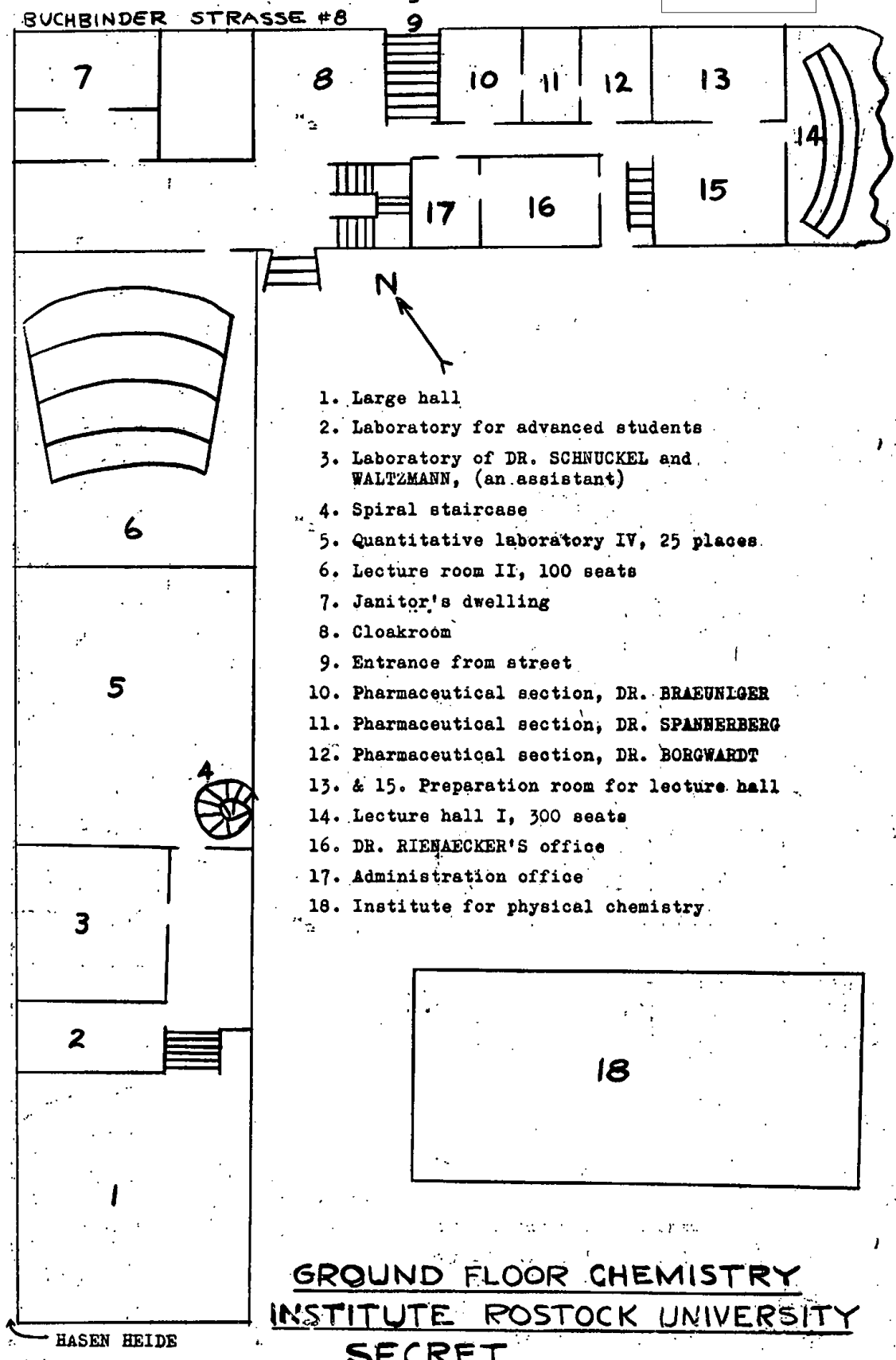

1. Large hall
2. Laboratory for advanced students
3. Laboratory of DR. SCHNUCKEL and WALTZMANN, (an assistant)
4. Spiral staircase
5. Quantitative laboratory IV, 25 places
6. Lecture room II, 100 seats
7. Janitor's dwelling
8. Cloakroom
9. Entrance from street
10. Pharmaceutical section, DR. BRAEUNLGER
11. Pharmaceutical section, DR. SPANNERBERG
12. Pharmaceutical section, DR. BORGWARDT
13. & 15. Preparation room for lecture hall
14. Lecture hall I, 300 seats
16. DR. RIENAECKER'S office
17. Administration office
18. Institute for physical chemistry

GROUND FLOOR CHEMISTRY
INSTITUTE ROSTOCK UNIVERSITY
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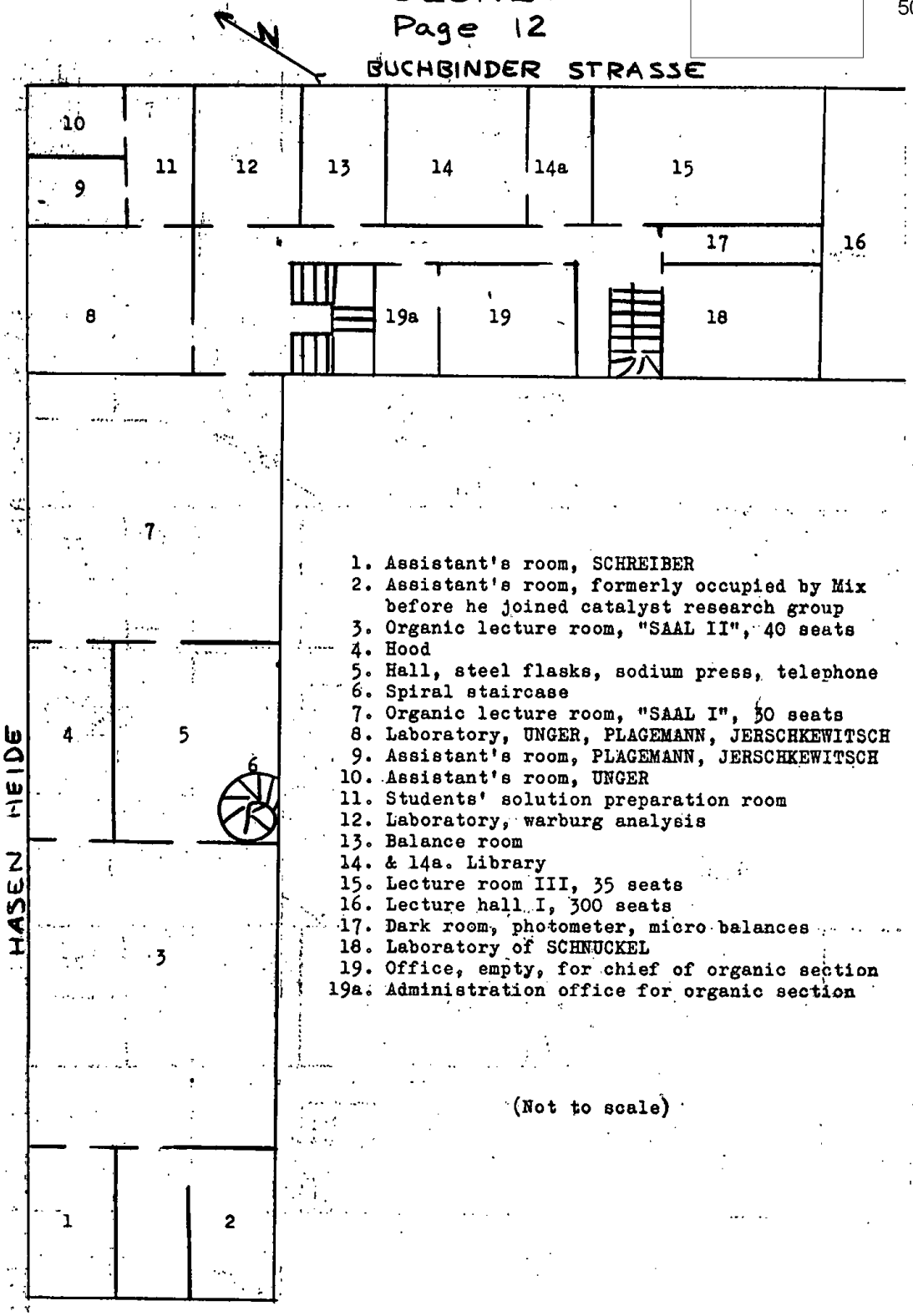

1. Assistant's room, SCHREIBER
2. Assistant's room, formerly occupied by Mix before he joined catalyst research group
3. Organic lecture room, "SAAL II", 40 seats
4. Hood
5. Hall, steel flasks, sodium press, telephone
6. Spiral staircase
7. Organic lecture room, "SAAL I", 30 seats
8. Laboratory, UNGER, PLAGEMANN, JERSCHKEWITSCH
9. Assistant's room, PLAGEMANN, JERSCHKEWITSCH
10. Assistant's room, UNGER
11. Students' solution preparation room
12. Laboratory, warburg analysis
13. Balance room
14. & 14a. Library
15. Lecture room III, 35 seats
16. Lecture hall I, 300 seats
17. Dark room, photometer, micro balances
18. Laboratory of SCHNUCKEL
19. Office, empty, for chief of organic section
19a. Administration office for organic section

(Not to scale)

SECOND FLOOR CHEMISTRY INSTITUTE
ROSTOCK UNIVERSITY

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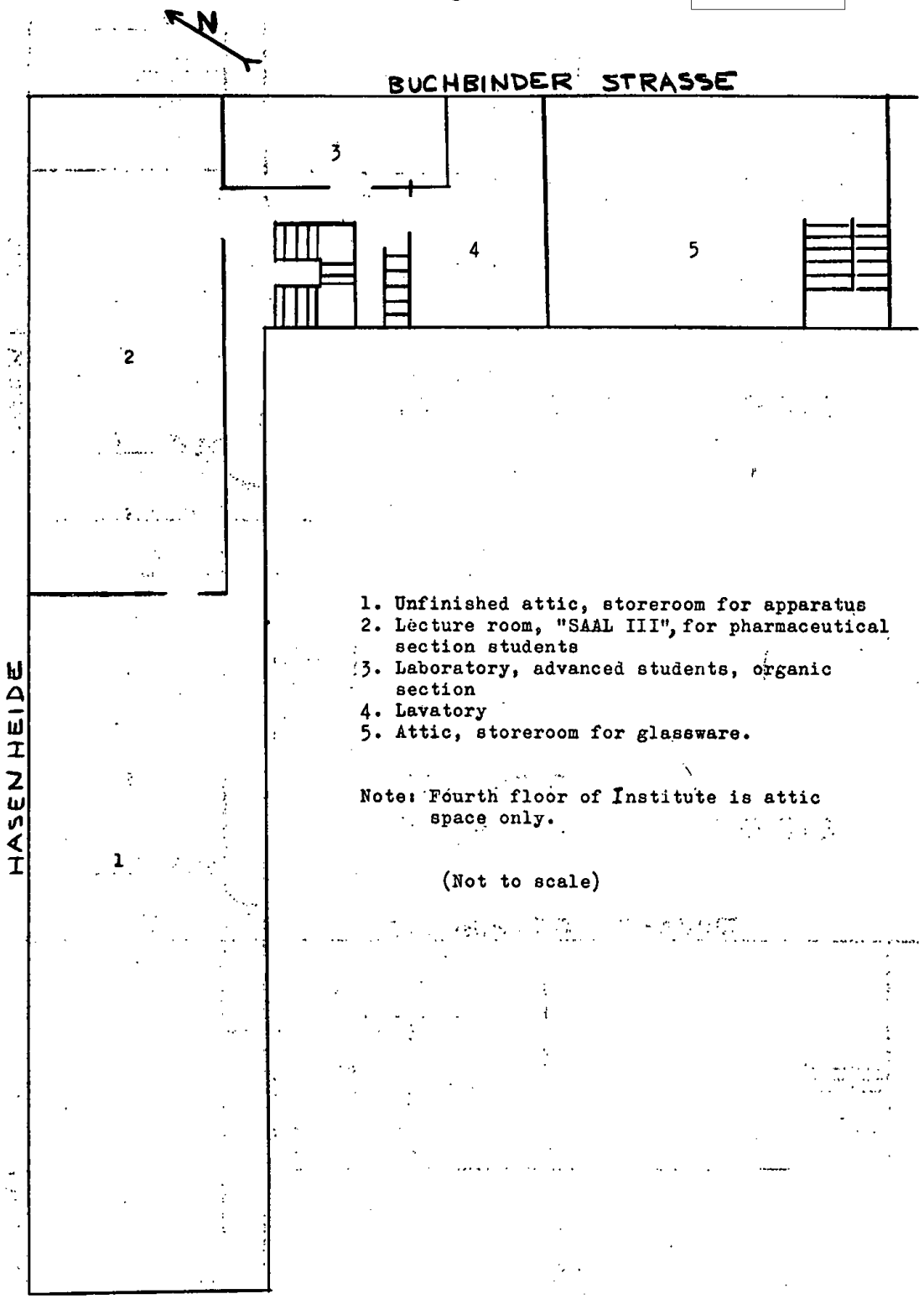

1. Unfinished attic, storeroom for apparatus
2. Lecture room, "SAAL III", for pharmaceutical section students
3. Laboratory, advanced students, organic section
4. Lavatory
5. Attic, storeroom for glassware.

Note: Fourth floor of Institute is attic space only.

(Not to scale)

THIRD FLOOR CHEMISTRY INSTITUTE
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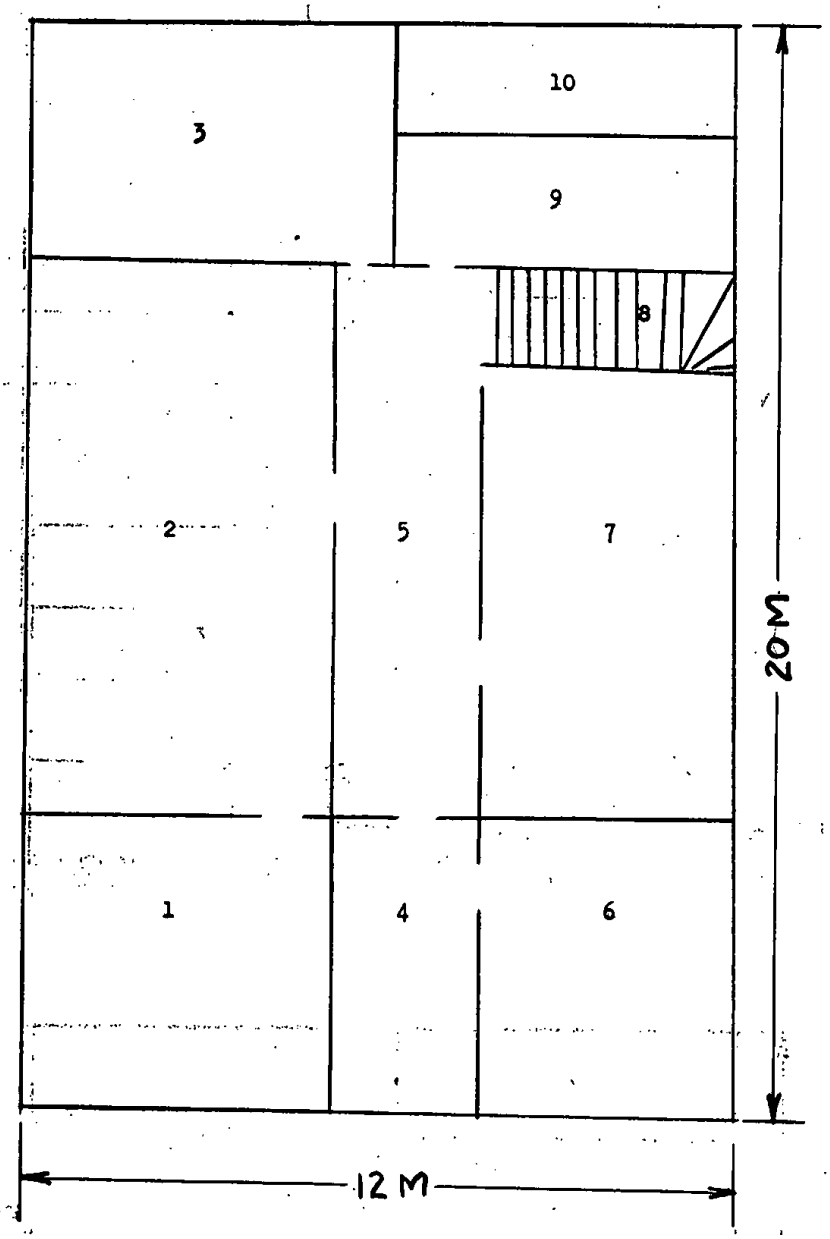

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SECOND FLOOR OF PHYSICAL CHEMISTRY INSTITUTE BUILDING

1. Laboratory used by Dipl. Chem. PETERS (DREYER is also in this room or in a nearby room).
2. Student laboratory for physical chemistry students.
3. Laboratory of Asst. von HAAREN.
4. Office of administration.
5. Hall.
6. Laboratory of Fraulein BRAUER, a student in physical chemistry.
7. Machine shop.
8. Stairway to ground floor (see page 14).
9. Laboratory of Dr. RIENAECKER; also used by Dipl. Chem. PETERS.
10. Private dark room of director.

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